Refine Search

Search Results -

Terms	Documents
L12 and L3	36

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

Set Name Query

L2

<u>L1</u>









Hit Count Set Name

185895

22925

<u>L2</u>

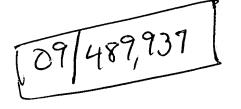
<u>L1</u>



Search History

DATE: Monday, March 15, 2004 Printable Copy Create Case

de by side			result set
DB=US	SPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES;	OP=ADJ	
<u>L16</u>	L12 and L3	36	<u>L16</u>
<u>L15</u>	L11 and L3	4	<u>L15</u>
<u>L14</u>	L10 and L3	5	<u>L14</u>
<u>L13</u>	L9 and L3	3	<u>L13</u>
<u>L12</u>	358/1.15.ccls.	4074	<u>L12</u>
<u>L11</u>	235/375.ccls.	3756	<u>L11</u>
<u>L10</u>	715/517.ccls.	255	<u>L10</u>
<u>L9</u>	715/500.1.ccls.	541	<u>L9</u>
<u>L8</u>	L7 and (adjust\$4 same size)	29	<u>L8</u>
<u>L7</u>	L2 and (page size\$3 same information)	177	<u>L7</u>
<u>L6</u>	L3 and (adjust\$3 same cover)	28	<u>L6</u>
<u>L5</u>	L3 and (siz\$3 same cover)	156	<u>L5</u>
<u>L4</u>	L3 and (resiz\$3 same cover)	1	<u>L4</u>
<u>L3</u>	L2 and (cover page\$1 or cover sheet\$1)	923	<u>L3</u>



FAX\$3 or facsimile\$1

FAX\$3 or faxcimile\$1

Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 29 of 29 returned.

☐ 1. Document ID: US 6675204 B2

Using default format because multiple data bases are involved.

L8: Entry 1 of 29

File: USPT

Jan 6, 2004

US-PAT-NO: 6675204

DOCUMENT-IDENTIFIER: US 6675204 B2

TITLE: Wireless communication device with markup language based man-machine interface

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME

Alameda

CITY

STATE

ZIP CODE COUN

COUNTRY

De Boor; Adam Eggers; Michael D.

Oakland

CA CA

US-CL-CURRENT: 709/217; 707/10, 709/202, 709/203, 709/218, 709/227, 709/228, 715/513

Full Title Citation Front Review Classification Date Reference 🐣 🔭 💮 💛 Claims KMC Draw Desc Image

☐ 2. Document ID: US 6619656 B2

L8: Entry 2 of 29

File: USPT

Sep 16, 2003

US-PAT-NO: 6619656

DOCUMENT-IDENTIFIER: US 6619656 B2

TITLE: Paper tray with automatically adjusting guides

Full Title Citation Front Review Classification Date Reference 👺 😁 😁 😅 Claims KMC Draw Desc Image

☐ 3. Document ID: US 6580521 B1

L8: Entry 3 of 29

File: USPT

Jun 17, 2003

US-PAT-NO: 6580521

DOCUMENT-IDENTIFIER: US 6580521 B1

** See image for Certificate of Correction **

TITLE: Print control apparatus, print control method and memory medium

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

☐ 4. Document ID: US 6560376 B2

. L8: Entry 4 of 29

File: USPT

May 6, 2003

US-PAT-NO: 6560376

DOCUMENT-IDENTIFIER: US 6560376 B2

TITLE: Automatic rotation of images for printing

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Desc Image

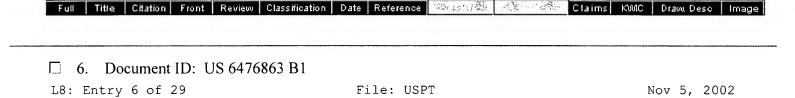
5. Document ID: US 6556308 B1

L8: Entry 5 of 29 File: USPT Apr 29, 2003

US-PAT-NO: 6556308

DOCUMENT-IDENTIFIER: US 6556308 B1

TITLE: Color separation of graphic image files

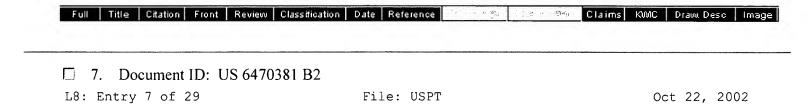


US-PAT-NO: 6476863

DOCUMENT-IDENTIFIER: US 6476863 B1

** See image for Certificate of Correction **

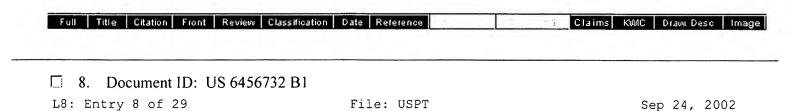
TITLE: Image transformation means including user interface



US-PAT-NO: 6470381

DOCUMENT-IDENTIFIER: US 6470381 B2

TITLE: Wireless communication device with markup language based man-machine interface



US-PAT-NO: 6456732

DOCUMENT-IDENTIFIER: US 6456732 B1

TITLE: Automatic rotation, cropping and scaling of images for printing

h eb bgeeef e ef be

Aug 13, 2002

Full | Title | Citation | Front | Review | Classification | Date | Reference | Section | Attachments | Claims | KWC | Draw, Desc | Image |

9. Document ID: US 6431669 B1

File: USPT

US-PAT-NO: 6431669

DOCUMENT-IDENTIFIER: US 6431669 B1

L8: Entry 9 of 29

TITLE: Method and apparatus for information storage in a portable print roll

Full Title Citation Front Review Classification Date Reference

Claims KMC Draw Desc Image

10. Document ID: US 6240527 B1

L8: Entry 10 of 29

File: USPT

May 29, 2001

US-PAT-NO: 6240527

DOCUMENT-IDENTIFIER: US 6240527 B1

TITLE: Method software and apparatus for saving using and recovering data

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Desc Image

11. Document ID: US 6240482 B1

L8: Entry 11 of 29 File: USPT May 29, 2001

US-PAT-NO: 6240482

DOCUMENT-IDENTIFIER: US 6240482 B1

TITLE: Host adapter having a plurality of register sets and corresponding operating nodes

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

12. Document ID: US 6205452 B1

L8: Entry 12 of 29 File: USPT Mar 20, 2001

US-PAT-NO: 6205452

DOCUMENT-IDENTIFIER: US 6205452 B1

TITLE: Method of reproducing variable graphics in a variable imaging system

Full Title Citation Front Review Classification Date Reference

☐ 13. Document ID: US 6199178 B1

L8: Entry 13 of 29 File: USPT Mar 6, 2001

US-PAT-NO: 6199178

Page 4 o

DOCUMENT-IDENTIFIER: US 6199178 51

TITLE: Method, software and apparatus for saving, using and recovering data

Full Title Citation Front Review Classification Date Reference <u>Fig. 8 3 Claims</u> Claims KWIC Draw Desc Image

☐ 14. Document ID: US 6184859 B1

L8: Entry 14 of 29

File: USPT

Feb 6, 2001

US-PAT-NO: 6184859

DOCUMENT-IDENTIFIER: US 6184859 B1

** See image for Certificate of Correction **

TITLE: Picture display apparatus

Full Title Citation Front Review Classification Date Reference किल्ला किल्ला किल्ला Claims KMC Draw. Desc Image

☐ 15. Document ID: US 6094453 A

. L8: Entry 15 of 29

File: USPT

Jul 25, 2000

US-PAT-NO: 6094453

DOCUMENT-IDENTIFIER: US 6094453 A

TITLE: Digital data compression with quad-tree coding of header file

Full Title Citation Front Review Classification Date Reference Services Claims KMC Draw Desc Image

☐ 16. Document ID: US 6072598 A

L8: Entry 16 of 29

File: USPT

Jun 6, 2000

US-PAT-NO: 6072598

DOCUMENT-IDENTIFIER: US 6072598 A

TITLE: Method for enhancing usability of fax on small device

Full Title Citation Front Review Classification Date Reference September 1 Claims KWC Draw Desc Image

☐ 17. Document ID: US 6016553 A

L8: Entry 17 of 29

File: USPT

Jan 18, 2000

US-PAT-NO: 6016553

DOCUMENT-IDENTIFIER: US 6016553 A

TITLE: Method, software and apparatus for saving, using and recovering data

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

Page 5 o

☐ 18. Document ID: US 6016478 A

L8: Entry 18 of 29

File: USPT

Jan 18, 2000

US-PAT-NO: 6016478

DOCUMENT-IDENTIFIER: US 6016478 A

TITLE: Scheduling system with methods for peer-to-peer scheduling of remote users

Full Title Citation Front Review Classification Date Reference Company Claims KMC Draw Desc Image

☐ 19. Document ID: US 5889990 A

L8: Entry 19 of 29

File: USPT

Mar 30, 1999

US-PAT-NO: 5889990

DOCUMENT-IDENTIFIER: US 5889990 A

TITLE: Information appliance software architecture with replaceable service module providing abstraction function between system library and platform specific OS

Full Title Citation Front Review Classification Date Reference

☐ 20. Document ID: US 5815713 A

L8: Entry 20 of 29

File: USPT

Sep 29, 1998

US-PAT-NO: 5815713

DOCUMENT-IDENTIFIER: US 5815713 A

TITLE: Method and system for automated transformation of declarative language process

specifications

Full Title Citation Front Review Classification Date Reference Classification Classification Date Reference

☐ 21. Document ID: US 5758032 A

L8: Entry 21 of 29

File: USPT

May 26, 1998

US-PAT-NO: 5758032

DOCUMENT-IDENTIFIER: US 5758032 A

TITLE: Method and system for automated transformation of declarative language process

specification

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Desc Image

22. Document ID: US 5717838 A

L8: Entry 22 of 29

File: USPT

Feb 10, 1998

US-PAT-NO: 5717838

DOCUMENT-IDENTIFIER: US 5717838 A

Page 6 o

Mar 25, 1997

TITLE: Computer calibration of a color print image using successive refinement

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

23. Document ID: US 5615015 A

File: USPT

US-PAT-NO: 5615015

DOCUMENT-IDENTIFIER: US 5615015 A

L8: Entry 23 of 29

TITLE: Apparatus and method of programming a job to be processed at a location other than the

location at which the job is prepared

Full Title Citation Front Review Classification Date Reference The Front Review Claims KWC Draw Desc Image

24. Document ID: US 5611024 A

L8: Entry 24 of 29 File: USPT Mar 11, 1997

US-PAT-NO: 5611024

DOCUMENT-IDENTIFIER: US 5611024 A

TITLE: Data compression of bit map images

Full Title Citation Front Review Classification Date Reference Full Title Citation Front Review Classification Date Reference

☐ 25. Document ID: US 5495561 A

L8: Entry 25 of 29

File: USPT

Feb 27, 1996

US-PAT-NO: 5495561

DOCUMENT-IDENTIFIER: US 5495561 A

TITLE: Operating system with object-oriented printing interface

Full Title Citation Front Review Classification Date Reference Services Claims KWC Draw Desc Image

☐ 26. Document ID: US 4964154 A

L8: Entry 26 of 29

File: USPT

Oct 16, 1990

US-PAT-NO: 4964154

DOCUMENT-IDENTIFIER: US 4964154 A

TITLE: Communication adapter device for use with a facsimile device combined with a computer

Full Title Citation Front Review Classification Date Reference Claims KMC Draw. Desc Image

☐ 27. Document ID: US 4918723 A

L8: Entry 27 of 29

File: USPT

ef

b

e

Apr 17, 1990

h eb b g ee e f e

Page 7 o

US-PAT-NO: 4918723

DOCUMENT-IDENTIFIER: US 4918723 A

TITLE: Keyboard to facsimile machine transmission system

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Desc Image

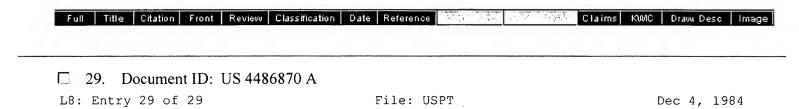
28. Document ID: US 4792648 A

L8: Entry 28 of 29 File: USPT Dec 20, 1988

US-PAT-NO: 4792648

DOCUMENT-IDENTIFIER: US 4792648 A

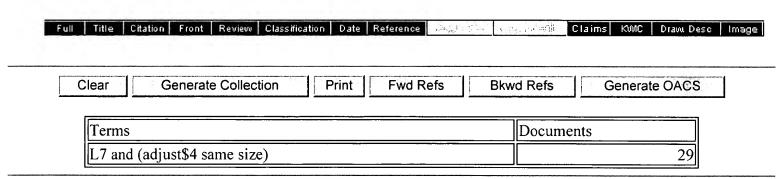
TITLE: Telematic reception terminal



US-PAT-NO: 4486870

DOCUMENT-IDENTIFIER: US 4486870 A

TITLE: Optical data storage



Display Format: - Change Format

Previous Page Next Page Go to Doc#

ef

Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 6417931 B1

Using default format because multiple data bases are involved.

L14: Entry 1 of 5

File: USPT

Jul 9, 2002

US-PAT-NO: 6417931

DOCUMENT-IDENTIFIER: US 6417931 B1

** See image for Certificate of Correction **

TITLE: Print layout device, print layout method, and storage medium

DATE-ISSUED: July 9, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY
Mori; Yasuo Tokyo JP
Nakagiri; Koji Kawasaki JP
Nishikawa; Satoshi Kawasaki JP

Nishikawa; Satoshi Kawasaki JP Kujirai; Yasuhiro Tokyo JP

US-CL-CURRENT: <u>358/1.15</u>; <u>358/1.12</u>, <u>358/1.18</u>, <u>715/517</u>

Full Title Citation Front Review Classification Date Reference

2. Document ID: US 6288719 B1

L14: Entry 2 of 5 File: USPT Sep 11, 2001

US-PAT-NO: 6288719

DOCUMENT-IDENTIFIER: US 6288719 B1

TITLE: System and method of constructing a photo album

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

☐ 3. Document ID: US 5930810 A

L14: Entry 3 of 5 File: USPT

Jul 27, 1999

US-PAT-NO: 5930810

DOCUMENT-IDENTIFIER: US 5930810 A

TITLE: Printing system with pre-defined user modifiable forms and local and remote printing

h e b b g e e e f e e f b e

☐ 4. Document ID: US 5701500 A

L14: Entry 4 of 5

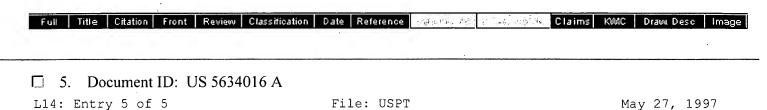
File: USPT

Dec 23, 1997

US-PAT-NO: 5701500

DOCUMENT-IDENTIFIER: US 5701500 A

TITLE: Document processor

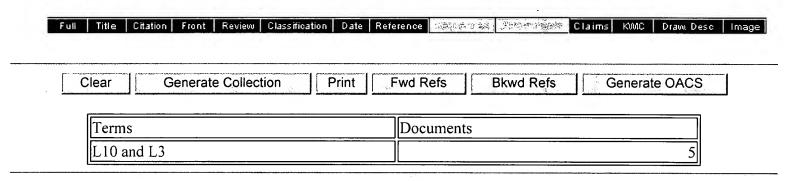


US-PAT-NO: 5634016

DOCUMENT-IDENTIFIER: US 5634016 A

** See image for Certificate of Correction **

TITLE: Event management system



Display Format: - Change Format

Previous Page Next Page Go to Doc#

Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 5659164 A

Using default format because multiple data bases are involved.

L15: Entry 1 of 4

File: USPT

Aug 19, 1997

US-PAT-NO: 5659164

DOCUMENT-IDENTIFIER: US 5659164 A

TITLE: Method of and system for apparatus for two-way automatically creating, identifying,

routing and storing digitally scanned documents

DATE-ISSUED: August 19, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Schmid; Edward

Meredith

NH

03253

Doss; Santosh

Newton

MA

02159

US-CL-CURRENT: 235/375; 382/317

Full	Title	Citation	Front	Review	Classification	Date	Reference	经基件操作	Claims	KWIC	Draw Desc	Image

☐ 2. Document ID: US 4862386 A

L15: Entry 2 of 4

File: USPT

Aug 29, 1989

US-PAT-NO: 4862386

DOCUMENT-IDENTIFIER: US 4862386 A

TITLE: Apparatus for preparing a letter

☐ 3. Document ID: US 4800506 A

L15: Entry 3 of 4

File: USPT

Jan 24, 1989

US-PAT-NO: 4800506

DOCUMENT-IDENTIFIER: US 4800506 A

TITLE: Apparatus for preparing mail pieces



h eb bgeeef e ef b

☐ 4. Document ID: US 4797832 A

L15: Entry 4 of 4

File: USPT

Jan 10, 1989

US-PAT-NO: 4797832

DOCUMENT-IDENTIFIER: US 4797832 A

TITLE: Letter preparing apparatus

Full Titl	e Citation	Front Review	Classification	Date	Reference	: V.V.		Claims	KWIC	Draw Desc	Imag
Clea	- Ge	enerate Collec	ction	rint	Fwd Ref	S	Bkwd Refs	e G	Senerat	e OACS	
Te	rms				Docun	nents					
T 1	1 and L3									4	

Display Format: - Change Format

Previous Page

Next Page

Go to Doc#

Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 36 of 36 returned.

☐ 1. Document ID: US 6674540 B1

Using default format because multiple data bases are involved.

L16: Entry 1 of 36

File: USPT

Jan 6, 2004

US-PAT-NO: 6674540

DOCUMENT-IDENTIFIER: US 6674540 B1

TITLE: Assembling and printing compound documents

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wiechers; Alejandro Jalisco MX
Robles; Rogelio Jalisco MX

US-CL-CURRENT: <u>358/1.15</u>; <u>358/1.13</u>, <u>358/1.14</u>, <u>707/104.1</u>

Full Title Citation Front Review Classification Date Reference Control of Con

☐ 2. Document ID: US 6674537 B2

L16: Entry 2 of 36 File: USPT Jan 6, 2004

US-PAT-NO: 6674537

DOCUMENT-IDENTIFIER: US 6674537 B2

TITLE: Data processing method in network system connected with image processing apparatus

Full Title Citation Front Review Classification Date Reference Control of Claims KMC Draw Desc Image

☐ 3. Document ID: US 6672213 B2

L16: Entry 3 of 36

File: USPT

Jan 6, 2004

US-PAT-NO: 6672213

DOCUMENT-IDENTIFIER: US 6672213 B2

TITLE: Printing program and printing system

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

☐ 4. Document ID: US 6671061 B1

Page 2 o

L16: Entry 4 of 36 File: USPT Dec 30, 2003

US-PAT-NO: 6671061

DOCUMENT-IDENTIFIER: US 6671061 B1

TITLE: Fax broadcast from a single copy of data

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Desc Image

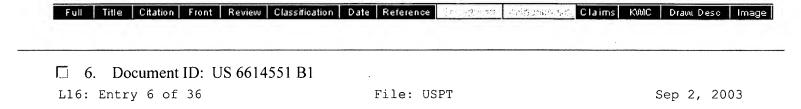
5. Document ID: US 6657742 B1

L16: Entry 5 of 36 File: USPT Dec 2, 2003

US-PAT-NO: 6657742

DOCUMENT-IDENTIFIER: US 6657742 B1

TITLE: System for printing facsimile jobs with a property profile



US-PAT-NO: 6614551

DOCUMENT-IDENTIFIER: US 6614551 B1

TITLE: Email capable $\underline{\text{fax}}$ machine and methods for using the same



Full Title Citation Front Review Classification Date Reference (AR 1997) Claims KWIC Draw Desc Image

L16: Entry 7 of 36 File: USPT Aug 26, 2003

US-PAT-NO: 6611353

DOCUMENT-IDENTIFIER: US 6611353 B2

TITLE: Method for incorporating media type sensing with software applications

Full	Title	Citation	Front	Review	Classification	Date	Reference	E. Crw	1. St. 1. 1. 1.	Claims	KWIC	Draw, Desc	Image

□ 8. Document ID: US 6603569 B1

L16: Entry 8 of 36 File: USPT Aug 5, 2003

US-PAT-NO: 6603569

DOCUMENT-IDENTIFIER: US 6603569 B1

TITLE: Device, method and system for facsimile transmission over a computer network

h eb bgeeef e ef be

☐ 9. Document ID: US 6580521 B1

L16: Entry 9 of 36

File: USPT

Jun 17, 2003

US-PAT-NO: 6580521

DOCUMENT-IDENTIFIER: US 6580521 B1

** See image for Certificate of Correction **

TITLE: Print control apparatus, print control method and memory medium

Full Title Citation Front Review Classification Date Reference ☐ 10. Document ID: US 6570667 B1

L16: Entry 10 of 36

File: USPT

May 27, 2003

US-PAT-NO: 6570667

DOCUMENT-IDENTIFIER: US 6570667 B1

TITLE: Image processing device

Full Title Citation Front Review Classification Date Reference

☐ 11. Document ID: US 6563598 B1

L16: Entry 11 of 36

File: USPT

May 13, 2003

US-PAT-NO: 6563598

DOCUMENT-IDENTIFIER: US 6563598 B1

TITLE: Method and apparatus for digital document control

Full Title Citation Front Review Classification Date Reference Solution Front Review Classification Date Reference

☐ 12. Document ID: US 6493107 B1

L16: Entry 12 of 36

File: USPT

Dec 10, 2002

US-PAT-NO: 6493107

DOCUMENT-IDENTIFIER: US 6493107 B1

TITLE: Electronic mail system

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

☐ 13. Document ID: US 6477570 B1

L16: Entry 13 of 36

File: USPT

Nov 5, 2002

US-PAT-NO: 6477570

DOCUMENT-IDENTIFIER: US 6477570 B1

** See image for Certificate of Correction **

ef e b b g ee e f

Record List Display

etem and method therefor TITLE: Information processing sy

Claims KMC Draw Desc Image Full Title Citation Front Review Classification Date Reference

14. Document ID: US 6469798 B1

L16: Entry 14 of 36

File: USPT

Oct 22, 2002

Sep 10, 2002

US-PAT-NO: 6469798

DOCUMENT-IDENTIFIER: US 6469798 B1

** See image for Certificate of Correction **

TITLE: Electronic mail apparatus and method

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Desc Image ☐ 15. Document ID: US 6466329 B1 L16: Entry 15 of 36 File: USPT Oct 15, 2002

US-PAT-NO: 6466329

DOCUMENT-IDENTIFIER: US 6466329 B1

TITLE: Method and apparatus for managing copy quality in the hardcopy or softcopy reproductio of either original pages or extrinsically received electronic page images

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image 01 12 th 188 ☐ 16. Document ID: US 6449055 B1

File: USPT

US-PAT-NO: 6449055

DOCUMENT-IDENTIFIER: US 6449055 B1

L16: Entry 16 of 36

TITLE: Printing system

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Desc Image ☐ 17. Document ID: US 6424426 B1 L16: Entry 17 of 36 File: USPT Jul 23, 2002

US-PAT-NO: 6424426

DOCUMENT-IDENTIFIER: US 6424426 B1

TITLE: \underline{Fax} -to-email and email-to- \underline{fax} communication system and method

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Desc Image

☐ 18. Document ID: US 6417931 B1

e b b g ee e f Record List Display

Page 5 o

L16: Entry 18 of 36 File: USPT

Jul 9, 2002

US-PAT-NO: 6417931

DOCUMENT-IDENTIFIER: US 6417931 B1

** See image for Certificate of Correction **

TITLE: Print layout device, print layout method, and storage medium

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Desc Image

19. Document ID: US 6348970 B1

L16: Entry 19 of 36

File: USPT

Feb 19, 2002

US-PAT-NO: 6348970

DOCUMENT-IDENTIFIER: US 6348970 B1

** See image for Certificate of Correction **

TITLE: Apparatus and method for interfacing a computer network to a facsimile machine

Full Title Citation Front Review Classification Date Reference Complete Complete Claims KWC Draw Desc Image

20. Document ID: US 6317823 B1

L16: Entry 20 of 36 File: USPT Nov 13, 2001

US-PAT-NO: 6317823

DOCUMENT-IDENTIFIER: US 6317823 B1

** See image for Certificate of Correction **

TITLE: Apparatus and method for processing information with recognizing a situation and mediu storing program therefor

Full Title Citation Front Review Classification Date Reference <u>பிறிய இன்ற இன்ற Claims</u> KMC Draw Desc Image

☐ 21. Document ID: US 6313921 B1

L16: Entry 21 of 36 File: USPT Nov 6, 2001

US-PAT-NO: 6313921

DOCUMENT-IDENTIFIER: US 6313921 B1

** See image for Certificate of Correction **

TITLE: Image forming system, image forming apparatus and method of controlling the same

Full Title Citation Front Review Classification Date Reference Communication Claims KMC Draw, Desc Image

☐ 22. Document ID: US 6310694 B1

L16: Entry 22 of 36 File: USPT Oct 30, 2001

US-PAT-NO: 6310694

DOCUMENT-IDENTIFIER: US 6310694 B1